

WHAT IS CLAIMED IS:

1 1. An endoscopic apparatus for harvesting a desired blood vessel
2 comprising:
3 an endoscopic barrel including at least two lumens, one of said
4 lumens dimensioned for receiving an endoscope;
5 a handle disposed at a proximal end of the endoscopic barrel;
6 a cone portion disposed over a distal end of said endoscopic
7 barrel; and
8 at least one manipulator fork extendable from said cone
9 portion for dissecting the desired blood vessel.

1 2. The endoscopic apparatus of claim 1, wherein said cone
2 portion includes at least one recess for receiving said at least one
3 manipulator fork in a retracted position such that a contoured profile of said
4 portion is maintained.

1 3. The endoscopic apparatus of claim 2, wherein said endoscopic
2 barrel includes at least three lumens and said apparatus further comprises a
3 cutting device extendable from said cone portion for cauterizing and ligating
4 the desired blood vessel.

1 4. The endoscopic apparatus of claim 3, wherein said cone
2 portion further includes a recess for receiving said cutting device in a
3 retracted position such that a contoured profile of said portion is maintained.

1 5. The endoscopic apparatus of claim 1, wherein said at least
2 one manipulator fork includes a control assembly permitting rotational and
3 translational movement of said at least one manipulator fork.

1 6. The endoscopic apparatus of claim 5, wherein said at least
2 one manipulator fork comprises a form arm and a distal fork.

1 7. The endoscopic apparatus of claim 6, wherein said control
2 assembly comprises a rotatable control mechanism slidable within a
3 predefined track on said handle.

1 9. The endoscopic apparatus of claim 6, wherein said control
2 assembly further permits swivelling of said distal fork relative to said fork
3 arm.

1 10. The endoscopic apparatus of claim 9, wherein said at least
2 one manipulator fork further comprises fork swivel control tube disposed
3 over said form arm.

1 11. The endoscopic apparatus of claim 10, wherein said control
2 assembly further includes a swivel control ring disposed on said handle.

1 12. The endoscopic apparatus of claim 1, wherein said endoscopic
2 barrel includes at least three lumens and said at least one manipulator fork
3 comprises two manipulator forks.